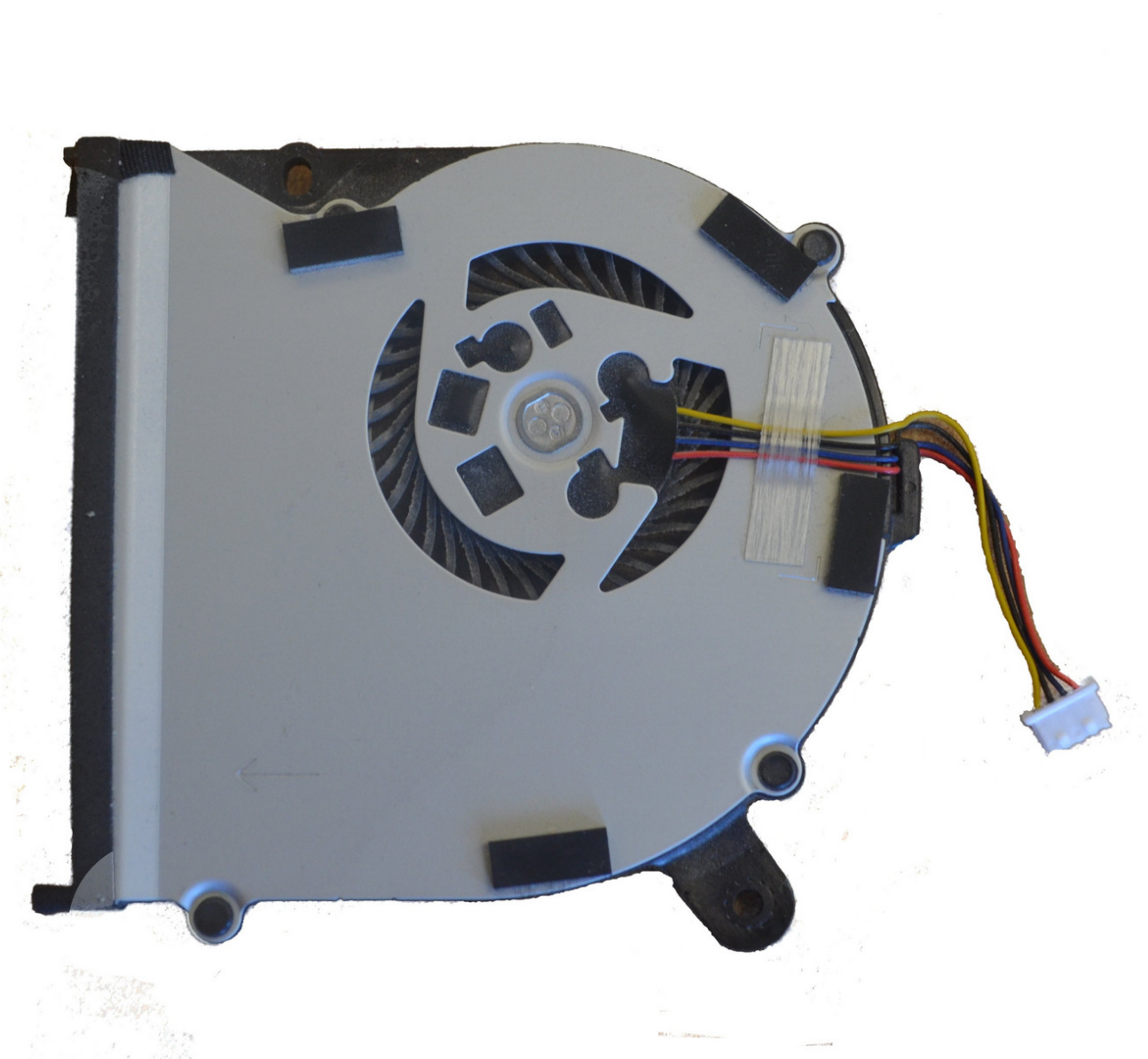




ASUS X502CA Fan Replacement & Cleaning

This guide will explain how to replace a faulty fan.

Written By: David Conner



INTRODUCTION

It is possible that your fan has stopped working due to physical or electrical damage. A replacement fan will need to be purchased. After purchasing a new fan follow these steps to replace your broken fan.



TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Tweezers](#) (1)



PARTS:

- [Laptop Cooling Fan - 13N0-P1A0K11](#) (1)

Step 1 — Fan



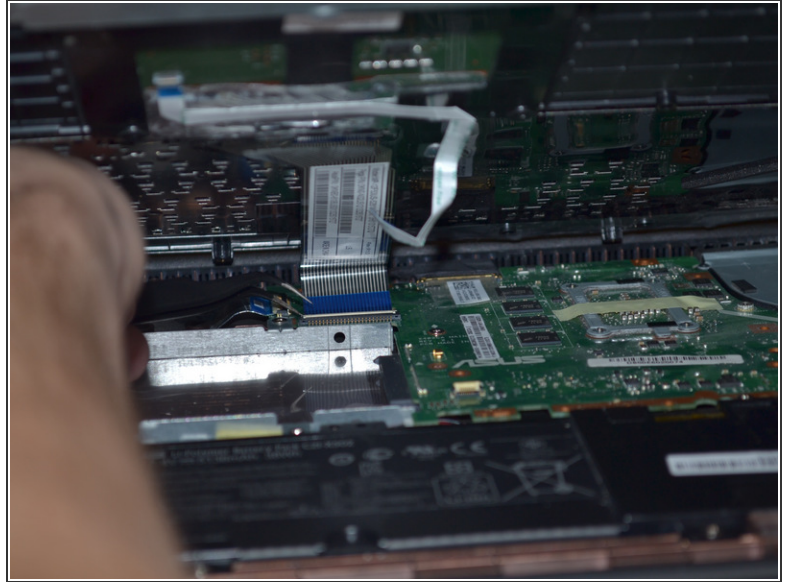
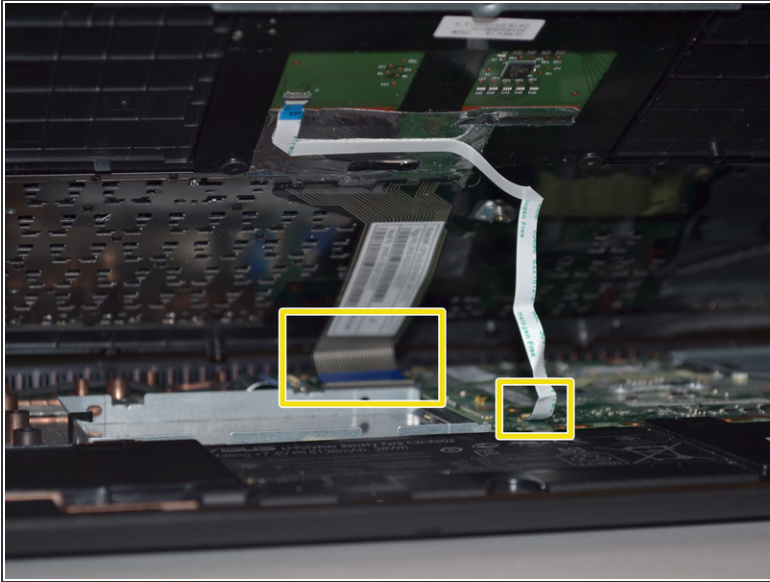
- First, remove all eleven phillips screws located on the bottom of the laptop using the Phillip #00 screwdriver.
- ⓘ Bottom 4 are 5 mm length, and the rest are 9 mm in length. All are 2 mm in diameter.

Step 2



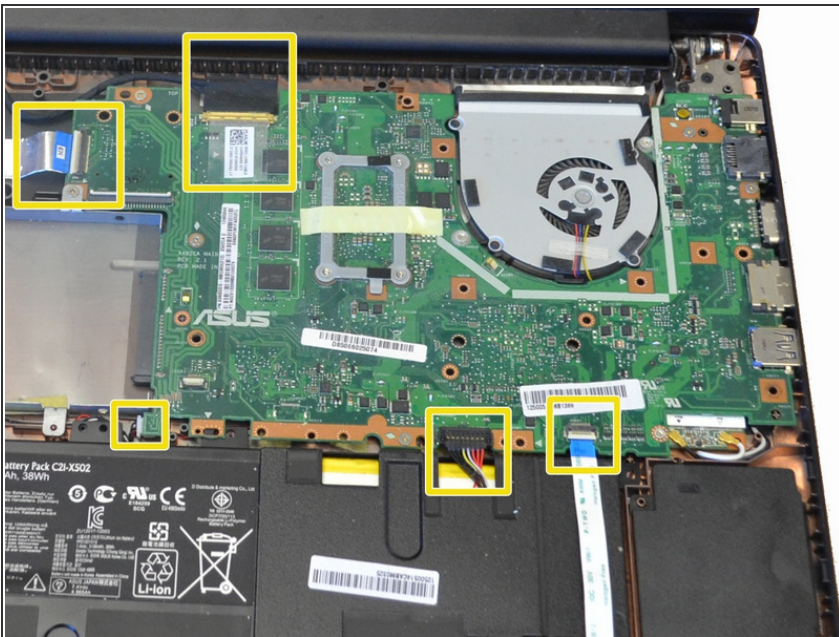
- Begin to remove the keyboard cover panel by using the Plastic Opening Tool to carefully pop off the clips around the parameter.
- ⚠ Be cautious when pulling off the cover because there are cables you will have to disconnect before completely removing the panel.

Step 3



- Lift palm rest and unplug keyboard cable and touchpad cable using tweezers. After these two cables have been unplugged you can remove the keyboard cover panel.

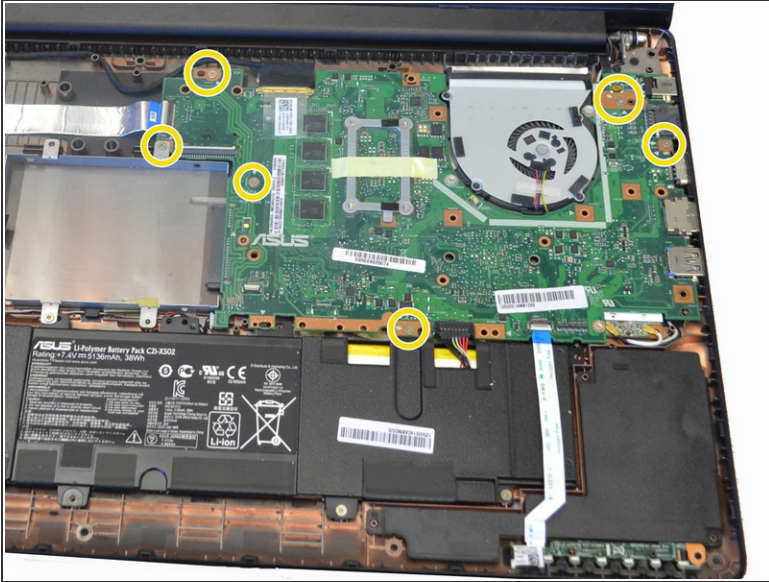
Step 4



- Unlatch each of the specified pieces using tweezers or just your fingers.

⚠ If these are not unplugged, the motherboard may shock you.

Step 5



- Unscrew each of the specified screws using Phillips #00 screwdriver.
- Flip motherboard over away from screen.
- ⓘ Each screw is 50 mm in length with 15 mm diameter.

Step 6



- Unscrew each of the specified screws using the Phillips #00 screwdriver.
- ⓘ Each screw is 50 mm in length with 15 mm diameter.

Step 7



- Unplug power strip using tweezers, and tear off bottom strip using fingers to remove fan.

Step 8



- Replace with new fan.

To reassemble your device, follow these instructions in reverse order.

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